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1 [Prediction of radiated electromagnetic emissions from PCB traces based on green dyadics](#)

E. Leroux, F. Canavero, G. Vecchi

 December 1995 **Proceedings of the conference on European design automation**
Publisher: IEEE Computer Society Press

 Full text available: [pdf\(583.74 KB\)](#) Additional Information: [full citation](#), [references](#), [index terms](#)

2 [Modeling and simulation of high-frequency integrated circuits based on scattering parameters](#)

A. T. Yang, C. H. Chan, J. T. Yao, R. R. Daniels, J. P. Harrang

 June 1991 **Proceedings of the 28th conference on ACM/IEEE design automation**
Publisher: ACM Press

 Full text available: [pdf\(622.93 KB\)](#) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

3 [Simulation methods for RF integrated circuits](#)

Ken Kundert

 November 1997 **Proceedings of the 1997 IEEE/ACM international conference on Computer-aided design**
Publisher: IEEE Computer Society

 Full text available: [pdf\(97.53 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)
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The principles employed in the development of modern RF simulators are introduced and the various techniques currently in use, or expected to be in use in the next few years, are surveyed. Frequency and time domain techniques are presented and contrasted, as are steady state and envelope techniques and large and small signal techniques.

Keywords: RF integrated circuits, envelope techniques, integrated circuit modelling, modern RF simulators, simulation methods, small signal techniques, state techniques, time domain techniques

4 [Efficient full-wave electromagnetic analysis via model-order reduction of fast integral](#)



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SS Hirano, CD Upper - Annu. Rev. Phytopathol, 1990 - phyto.annualreviews.org

... all attempt to accelerate the solution of Poisson's equation in PBC, using the profound advantages of the fast Fourier transform (FFT) for calculating discrete ...

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M Iwadare, A Sugiyama, F Hazu, A Hirano, T ... - Selected Areas in Communications, IEEE Journal on, 1992 - ieeexplore.ieee.org

... size MDCT. (a) N = 1024, L = 64. (b) N = 512, L = 04. (c) N 256, L 64.

(7) 4) Preprocessing: Multiply coefficients for FFT. where L ...

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K Kajihara, L Skuja, M Hirano, H Hosono - Physical Review Letters, 2002 - APS

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... Almagri, JS Sarff, Y Yagi, Y Hirano, K Hattori, H ... - Phys. Plasmas, 1996 - w3.pppl.gov

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K Shimazaki, H Tsujikawa, S Kojima, S Hirano - Quality Electronic Design, 2000. ISQED 2000. Proceedings. ..., 2000 - doi.ieeecs.org

... time. The noise from the logic gates is simply modeled by a FFT process based on the superimposed triangular current waveform. Because ...

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Dynamic power-supply and well noise measurement and analysis for high frequency body-biased circuits

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- C C C 0 -20 -40 -60 FFT (Noise Frequency Characteristic) AC Analysis (Noise ...

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... **electromagnetic noise** is concerned the main characteristics of cylindrical machines ...

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Ultra-fast broadband EMI measurement in time-domain using **FFT** and periodogram - group of 3 »

F Krug, P Russer - **Electromagnetic Compatibility**, 2002 IEEE International ..., 2002 - ieeexplore.ieee.org

... computer in order to obtain Fast-Fourier Transform (**FFT**) as well ... INTRODUCTION In

the past and currently, radio noise and **electromagnetic interference** (EMI) ...

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RJM Belmans, D Verdyck, W Geysen, RD Findlay - Industry Applications, IEEE Transactions on, 1991 - ieeexplore.ieee.org

... the accelerometer were fed into a **FFT** analyzer. ... comparison between the spectrum of the **electromagnetic** forces and ... the prediction of possible audible **noise** peaks ...

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F Krug, P Russer - **Electromagnetic Compatibility**, IEEE Transactions on, 2003 - ieeexplore.ieee.org

... interference (EMI), fast Fourier transform (**FFT**), measurement, spectral analysis ...

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R Malewski, B Poulin - Power Delivery, IEEE Transactions on, 1988 - ieeexplore.ieee.org

... and, also, by the increase in **electromagnetic noise** with the ... of the full impulse

were masked by **noise**. ... Fast Fourier transform (**FFT**) software is then applied to ...

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